

Changes to the Specification

Please replace paragraph [0032] with the following amended paragraph:

[0032] Without the supervision of the phase core 330, however, one of the drivers 310 may discover and inadvertently or maliciously call 360 one or more APs 320. Thus, a set of services provided by one or more APs 320 may be disabled by of the unauthorized call 360. For example, Driver #2 314 may directly call AP #2 ~~334~~ 324 (e.g., CPU AP) and disable interrupt services via AP #2 ~~334~~ 324 when the phase core 330 is operating under the assumption that interrupt services are enabled. Further, the APs 320 may be inadvertently or maliciously replaced by one of the drivers 310. For example, Driver #2 314 may attempt to uninstall and replace AP #2 ~~334~~ 324. Alternatively, Driver #2 314 may be installed in addition to AP #2 ~~334~~ 324, and the phase core 330 may incorrectly call Driver #2 314 rather than calling AP #2 ~~334~~ 324. As a result, the phase core 330 may properly call 350 one or more APs 320 whereas none of the drivers 310 may directly call 360 any of the APs 320.

Please replace paragraph [0033] with the following amended paragraph:

[0033] To prevent APs 320 from being called inadvertently or maliciously, the processor 120 may designate certain APs 320 as restricted protocols. For example, AP #1 ~~332~~ 322 may be designated as a restricted protocol by being assigned with a SINGLE_CONSUMER tag so that only one caller (e.g., the phase core 330) may call on AP #1 ~~332~~ 322. As other examples, AP #1 ~~332~~ 322 may be assigned with either a NO_INSTALL tag or a NO_PEERS tag. The NO_INSTALL tag prevents a protocol associated with a driver from removing the restricted protocol (i.e., uninstall) and substituting another protocol for the restricted protocol. Accordingly, reinstall operation requested by the driver fails when executed against the restricted protocol. The NO_PEERS tag prevents other protocols with the same GUID as the restricted protocol from being installed. That is, a version of the protocol associated with the driver is already installed (i.e., the restricted protocol) so the install operation requested by the driver fails when executed against the restricted protocol. As a result, restricted protocols of the processor system 100 protected from unauthorized access (i.e., access by a caller other than the phase core 330).